



# Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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**INTERNATIONAL NOTES**  
**VENEZUELAN EQUINE ENCEPHALITIS**  
Mexico and Texas

In late March and early April 1971, an outbreak of Venezuelan equine encephalitis (VEE) involving many horses occurred in the Tampico area in the coastal State of Tamaulipas, Mexico. Virus isolated from two equine blood specimens has been identified as the epidemic strain of VEE.

In late June, the disease was also reported in humans from the Tampico area and farther north in the coastal areas east of Ciudad Victoria. VEE virus was isolated from blood specimens from patients in Tampico, La Pesca and vicinity, and Matamoros and vicinity. Most of these persons were experiencing fever, severe headache, myalgias, and occasionally vomiting. No frank cases of encephalitis or neurologic signs were observed.

Virus tentatively identified as VEE has also been isolated from mosquitoes collected from the area west of Matamoros,

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Tamaulipas, just south of Brownsville, Texas. The Mexican government has been conducting a combined equine immunization and vector control program throughout Tamaulipas and wherever clinical equine cases have been observed.

Since June 19, 1971, representatives from the U.S. Department of Agriculture, the U.S. Public Health Service, the Texas Animal Health Commission, and the Texas State De-  
*(Continued on page 244)*

**TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES**  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	27th WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 27 WEEKS		
	July 10, 1971	July 11, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	80	106	50	1,390	1,042	930
Brucellosis	3	7	7	80	114	112
Diphtheria	6	2	3	90	188	84
Encephalitis, primary:						
Arthropod-borne & unspecified	30	29	29	620	570	570
Encephalitis, post-infectious	12	12	14	213	253	290
Hepatitis, serum	129	118	79	4,414	3,685	2,141
Hepatitis, infectious	970	965	676	31,731	28,841	22,561
Malaria	26	46	46	1,818	1,817	1,107
Measles (rubeola)	1,075	708	530	65,167	36,824	36,824
Meningococcal infections, total	26	27	31	1,528	1,568	1,691
Civilian	25	26	28	1,348	1,413	1,525
Military	1	1	2	180	155	166
Mumps	1,131	1,395	---	92,700	69,197	---
Poliomyelitis, total	-	2	2	7	9	11
Paralytic	-	2	2	5	9	9
Rubella (German measles)	423	477	617	35,257	46,744	40,578
Tetanus	1	3	4	52	55	73
Tularemia	7	6	6	65	53	78
Typhoid fever	9	8	7	149	127	146
Typhus, tick-borne (Rky. Mt. spotted fever)	20	15	15	150	136	113
Rabies in animals	68	50	64	2,302	1,670	1,961

**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax: La-1	2	Psittacosis:	21
Botulism: N.Y. Ups.-2	3	Rabies in Man:	1
Leptosy: Calif.-1, Tex.-2	74	Rubella congenital syndrome:	33
Leptospirosis:	18	Trichinosis: Pa-1	35
Plague:	-	Typhus, murine: Tex.-3	6

## VENEZUELAN EQUINE ENCEPHALITIS — (Continued from front page)

partment of Health have been evaluating VEE disease and vaccine in the Rio Grande Valley of Texas. On July 1, the first epidemic strain of VEE was isolated from a sick horse in Texas; subsequently, clinical encephalitis has been observed in approximately 100 horses in south Texas. Hospital surveillance in this area has revealed seven highly suspect human cases for which laboratory studies are now in progress.

Epidemic control measures in Texas include horse quarantine and immunization, aerial spraying with ultra-low-volume (ULV) malathion, and active equine and human surveillance.

(Reported by Dr. Renaldo Guzman Orozco, Under Secretary of Health, Dr. Mario C. Olivares, Director General of Coordinated Public Health Services, Dr. Jorge Cardenas Lara, Chief of the Campaign, Campaign Against the Zoonoses, Ministry of Health and Welfare, Mexico D.F.; Dr. E. Torre-Lopez, Director, Coordinated Health Services, Ministry of Health and Welfare, Ciudad Victoria, Tamaulipas, Mexico; Dr. Jorge Burgette Rovera, Federal Health Officer, Health Center, Matamoros, Tamaulipas, Mexico; J. E. Peavy, M.D., Commissioner, Texas State Department of Health; the Laboratory Division, the Epidemiology Program, and the Foreign Quarantine Program, CDC.)

## CHOLERA TODAY\* — Worldwide

In the first 6 months of 1971, 27 countries reported to the World Health Organization (WHO) the presence of cholera in their territory. As of June 25, there were 65,000 cases, with 10,600 deaths (Table 1).

The most serious outbreak reported is among the Pakistani refugees in West Bengal where 24,394 cases and 3,588 deaths were recorded up to June 20. WHO assistance is continuing as scheduled with shipments of medical supplies for

Table 1  
Cholera 1971 — Case and Deaths by Country. Situation on Date Indicated  
Cumulative Totals Since Jan. 1, 1971

Country	May 28		June 4		June 11		June 18		June 25	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
<b>AFRICA</b>										
Cameroon	661	104	661	104	661	104	1,378	205	1,378	205
Chad	4	—	4	—	34	11	4,464	1,492	4,464	1,492
Dahomey	1,474	223	1,474	223	1,474	223	1,474	223	1,494	226
French Territory										
Afars & Issas	8	1	10	1	10	1	16	1	24	2
Ghana	9,675	481	9,765	481	9,765	481	10,161	500	10,309	505
Ivory Coast	512	4	512	14	565	4	565	4	565	4
Kenya	25	14	28	15	77	16	77	16	83	32
Liberia	80	29	80	29	80	29	80	29	80	29
Madagascar	1	—	1	—	1	—	1	—	1	—
Mali	1,357	359	1,613	454	1,664	468	1,966	496	2,145	567
Niger	5,634	1,462	5,649	1,462	7,030	1,869	7,631	2,004	7,813	2,038
Nigeria	5,024	737	5,104	753	5,217	828	5,282	840	5,282	840
Sierra Leone	150	12	159	3	159	3	161	3	163	3
Somalia	85	10	88	10	88	10	88	10	88	10
Togo	279	26	279	26	279	26	279	26	297	26
Upper Volta	501	199	501	199	903	312	903	312	903	312
Uganda					5	—	5	—	5	—
Mauritania							42	8	42	8
Total									35,136	6,299
<b>ASIA</b>										
Burma	94	17	113	20	130	22	144	23	164	24
Gaza Strip										
Gaza	1	—	1	—	1	—	1	—	1	—
India	781	122	892	139	11,605	1,473	22,184	3,271	26,438	3,813
Indonesia	727	139	727	139	727	139	1,871	383	1,871	383
Oman	1	8	1	8	1	8	1	8	1	8
Pakistan East	64	—	64	—	69	—	72	—	73	—
Pakistan West	425	13	488	13	526	16	744	23	840	26
Philippines	189	30	189	30	189	30	189	30	234	42
Viet-Nam. Rep.	142	—	152	—	157	—	159	—	165	—
Hebron District									1	—
Total									29,788	4,296
World Total	27,894	3,990	28,555	4,123	41,417	6,073	59,938	9,907	64,924	10,595

the prevention and treatment of cholera and other diseases threatening the refugees. Eighty-six tons of supplies have been sent since June 4 and will continue at the rate of approximately 40 tons a week until the end of August.

Eight other countries in Asia also report the presence of cholera.

In Africa, the situation continues to be serious; 18 countries have reported cholera epidemics.

WHO has set up depots of vaccine and rehydrating fluid

in Abidjan for West Africa and in Nairobi for East Africa, as well as at the WHO Regional Office in Brazzaville. These depots are replenished as necessary.

In addition to India, WHO assistance is now going to Chad (10,000 litres of rehydration fluid, 1 million doses of vaccines and other supplies), Mali (300,000 doses of vaccine), and Mauritania, (100,800 doses of vaccine and other supplies).

\*Press release WHO/28, June 25, 1971.

EPIDEMIOLOGIC NOTES AND REPORTS  
SHIGELLOSIS – Florida

On May 12, 1971, an outbreak of shigellosis involving 667 persons occurred after a noon meal served at an elementary school in Turkey Creek, Florida. Of the 613 persons who returned questionnaires, approximately 440 reported having been ill, for an overall attack rate of 71.8 percent. Twenty-nine persons required hospitalization. The mean incubation period was approximately 24 hours, and the mean duration of illness was about 56 hours. School absenteeism is shown in Figure 1. Cramps, diarrhea, fever, nausea, and vomiting were the predominate symptoms (Table 2). Food specific attack rates implicated turkey salad as the vehicle of infection (Table 3).

Out of 178 stool specimens cultured, 27 yielded *Shigella sonnei*. Five of these positive specimens were from food handlers in the school cafeteria. Four had eaten turkey salad, and one had eaten turkey before it had been chopped. Samples of all foods eaten on May 11-12 were cultured, and none revealed enteric pathogens. The turkey salad, however, did yield significant numbers of coliforms. Swabs of 19 environmental surfaces were cultured, and no pathogens were isolated.

On May 7, the frozen turkeys had been thawed in a walk-in refrigerator at the school at less than 45° F. until May 11.

Figure 1  
ELEMENTARY SCHOOL ABSENTEEISM, BY DATE  
TURKEY CREEK, FLORIDA – MAY 1971

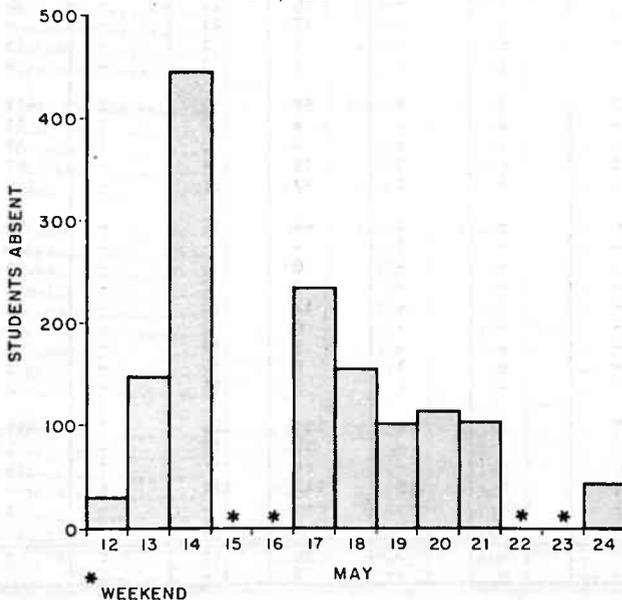


Table 2  
Symptoms of 440 Patients  
Turkey Creek, Florida – May 12, 1971

Symptom	Number	Percent
Cramps	369	83.9
Diarrhea	328	74.5
Fever	322	73.2
Nausea	264	60.0
Vomiting	247	56.1
Chills	203	46.1
Headache	86	19.5
Dizziness	26	5.9

Table 3  
Food Specific Attack Rates of Persons Eating Noon Lunch  
at an Elementary School  
Turkey Creek, Florida – May 12, 1971

Food Item	Ate			Did Not Eat		
	Ill	Not Ill	Attack Rate (Percent)	Ill	Not Ill	Attack Rate (Percent)
Turkey salad	389	91	81.0	51	82	38.3
Buttered corn	364	157	69.9	76	16	82.6
Mexican slaw	221	89	71.3	219	84	72.3
Peach dump	347	136	71.8	93	37	71.5
Rolls	371	154	70.7	69	19	78.4
Milk	380	149	71.8	60	24	71.4
Water	159	33	82.8	281	140	66.7

They had been cooked in a steam jacketed cooker for 2½ hours and cooled for about 1 hour. They were then deboned, refrigerated, and chopped the next day. The turkey salad had been prepared using chopped celery, boiled eggs, mayonnaise, and salad dressing.

None of the food handlers had any evidence suggestive of prior diarrheal diseases. Since the one ill food handler only ate turkey before it was chopped, it is felt that contamination probably occurred prior to the turkey being chopped and mixed as turkey salad.

(Reported by Eugene R. Greemore, R.S., Sanitarian Supervisor, Phillip H. Jones, R.S., Assistant Director, General Sanitation, Sean K. Burke, M.D., Assistant Director, Hillsborough County Health Department, Tampa, Florida; Justine L. McCurdy, Chief Microbiologist, Tampa Regional Laboratory, Florida; E. Charlton Prather, M.D., Chief, Bureau of Preventable Diseases, Florida State Division of Health; and an EIS Officer.)

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
JULY 10, 1971 AND JULY 11, 1970 (27th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1971	Cum. 1971
				1971	1970	1971	1971	1971	1970		
UNITED STATES.....	80	3	6	30	29	12	129	970	965	26	1,818
NEW ENGLAND.....	-	-	-	2	1	2	-	69	63	-	51
Maine.....	-	-	-	-	-	1	-	11	6	-	3
New Hampshire.....	-	-	-	-	-	-	-	4	-	-	1
Vermont.....	-	-	-	-	-	-	-	3	7	-	1
Massachusetts.....	-	-	-	-	-	-	-	20	24	-	36
Rhode Island.....	-	-	-	2	1	-	-	15	7	-	3
Connecticut.....	-	-	-	-	-	1	-	16	19	-	7
MIDDLE ATLANTIC.....	5	-	-	3	3	1	63	130	110	8	189
New York City.....	1	-	-	1	-	-	29	22	40	-	20
New York, Up-State...	1	-	-	1	2	1	12	30	23	1	51
New Jersey.....	-	-	-	-	-	-	14	39	28	6	78
Pennsylvania.....	3	-	-	1	1	-	8	39	19	1	40
EAST NORTH CENTRAL.....	7	-	-	8	13	3	30	165	130	3	106
Ohio.....	1	-	-	6	4	-	6	39	42	-	16
Indiana.....	-	-	-	-	2	1	-	4	9	2	10
Illinois.....	2	-	-	1	1	2	8	56	27	1	38
Michigan.....	4	-	-	1	6	-	16	64	49	-	35
Wisconsin.....	-	-	-	-	-	-	-	2	3	-	7
WEST NORTH CENTRAL.....	-	1	-	1	-	1	1	82	55	5	168
Minnesota.....	-	-	-	1	-	1	-	4	4	-	22
Iowa.....	-	1	-	-	-	-	1	9	3	-	23
Missouri.....	-	-	-	-	-	-	-	5	38	-	23
North Dakota.....	-	-	-	-	-	-	-	4	-	-	-
South Dakota.....	-	-	-	-	-	-	-	3	1	-	-
Nebraska.....	-	-	-	-	-	-	-	4	2	-	7
Kansas.....	-	-	-	-	-	-	-	53	7	5	93
SOUTH ATLANTIC.....	37	1	-	10	5	2	9	136	186	1	276
Delaware.....	-	-	-	-	-	-	1	1	2	-	1
Maryland.....	8	-	-	-	-	-	1	8	13	-	41
Dist. of Columbia....	-	-	-	-	-	-	-	-	2	-	2
Virginia.....	1	1	-	2	-	-	3	58	72	1	38
West Virginia.....	-	-	-	-	-	-	-	10	14	-	7
North Carolina.....	-	-	-	1	2	-	1	9	17	-	98
South Carolina.....	1	-	-	-	-	-	-	5	5	-	10
Georgia.....	-	-	-	-	-	-	-	24	14	-	53
Florida.....	27	-	-	7	3	2	3	21	47	-	26
EAST SOUTH CENTRAL.....	6	-	-	-	2	-	-	81	52	-	119
Kentucky.....	-	-	-	-	-	-	-	16	23	-	98
Tennessee.....	6	-	-	-	2	-	-	57	21	-	-
Alabama.....	-	-	-	-	-	-	-	7	5	-	15
Mississippi.....	-	-	-	-	-	-	-	1	3	-	6
WEST SOUTH CENTRAL.....	10	-	4	3	2	2	6	59	92	2	412
Arkansas.....	4	-	-	-	-	1	-	4	9	1	17
Louisiana.....	4	-	-	-	-	-	3	8	13	1	35
Oklahoma.....	1	-	-	3	2	-	1	15	4	-	62
Texas.....	1	-	4	-	-	1	2	32	66	-	298
MOUNTAIN.....	-	-	-	-	-	-	2	44	77	-	98
Montana.....	-	-	-	-	-	-	1	-	-	-	1
Idaho.....	-	-	-	-	-	-	-	6	-	-	4
Wyoming.....	-	-	-	-	-	-	-	1	2	-	1
Colorado.....	-	-	-	-	-	-	-	13	35	-	73
New Mexico.....	-	-	-	-	-	-	-	6	2	-	6
Arizona.....	-	-	-	-	-	-	-	7	12	-	8
Utah.....	-	-	-	-	-	-	1	9	10	-	3
Nevada.....	-	-	-	-	-	-	-	2	16	-	2
PACIFIC.....	15	1	2	3	3	1	18	204	200	7	399
Washington.....	-	-	2	-	-	-	-	37	13	-	1
Oregon.....	-	-	-	-	-	-	-	14	11	1	16
California.....	15	1	-	3	3	1	18	147	172	6	344
Alaska.....	---	---	---	---	---	---	---	---	---	---	3
Hawaii.....	-	-	-	-	-	-	-	6	4	-	35
Puerto Rico.....	-	-	-	-	-	-	-	29	42	1	17
Virgin Islands.....	-	-	-	-	-	-	-	1	-	-	-

\*Delayed reports: Hepatitis, infectious: Okla. delete 1, P.R. 29  
Malaria: Iowa 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JULY 10, 1971 AND JULY 11, 1970 (27th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total	Paralytic	
		1971	1970		1971	1970			1971	1971	
UNITED STATES.....	1,075	65,167	36,824	26	1,528	1,568	1,131	92,700	-	-	5
NEW ENGLAND.....	62	3,303	763	-	68	71	42	5,659	-	-	-
Maine.*.....	8	1,412	183	-	8	3	1	1,115	-	-	-
New Hampshire.*.....	3	194	49	-	10	6	7	633	-	-	-
Vermont.....	1	103	7	-	-	6	2	288	-	-	-
Massachusetts.....	7	252	358	-	27	31	16	1,386	-	-	-
Rhode Island.....	16	236	90	-	3	5	9	1,123	-	-	-
Connecticut.....	27	1,106	76	-	20	20	7	1,114	-	-	-
MIDDLE ATLANTIC.....	141	7,098	4,453	1	195	275	83	5,854	-	-	-
New York City.....	56	3,578	777	-	40	69	57	1,453	-	-	-
New York, Up-State...	43	556	212	1	52	52	NN	NN	-	-	-
New Jersey.....	14	1,133	1,624	-	46	104	16	1,629	-	-	-
Pennsylvania.....	28	1,831	1,840	-	57	50	10	2,772	-	-	-
EAST NORTH CENTRAL.....	196	14,261	9,040	8	175	185	452	38,181	-	-	-
Ohio.....	38	3,814	3,599	5	54	75	57	7,398	-	-	-
Indiana.....	24	2,599	247	-	13	18	24	4,965	-	-	-
Illinois.....	27	2,762	2,960	1	49	40	88	4,035	-	-	-
Michigan.....	60	2,037	1,432	2	49	45	33	9,215	-	-	-
Wisconsin.....	47	3,049	802	-	10	7	250	12,568	-	-	-
WEST NORTH CENTRAL.....	246	6,663	3,695	1	120	78	111	5,923	-	-	-
Minnesota.....	-	51	36	1	20	12	3	1,080	-	-	-
Iowa.....	31	2,229	1,042	-	8	11	25	2,844	-	-	-
Missouri.*.....	19	2,548	1,225	-	43	46	5	989	-	-	-
North Dakota.....	5	225	311	-	5	3	6	300	-	-	-
South Dakota.....	-	198	91	-	5	-	4	217	-	-	-
Nebraska.....	-	62	923	-	14	3	2	76	-	-	-
Kansas.....	191	1,350	67	-	25	3	66	417	-	-	-
SOUTH ATLANTIC.....	109	6,810	6,799	7	260	327	77	6,547	-	-	1
Delaware.....	-	34	255	-	2	3	7	146	-	-	-
Maryland.....	-	471	1,343	1	37	33	11	552	-	-	-
Dist. of Columbia....	-	12	342	1	9	1	-	77	-	-	-
Virginia.....	70	1,245	1,900	2	22	31	9	856	-	-	-
West Virginia.....	9	474	277	-	7	7	23	1,715	-	-	-
North Carolina.....	9	1,888	792	2	46	66	NN	NN	-	-	-
South Carolina.....	13	882	519	1	20	42	15	814	-	-	-
Georgia.....	2	185	12	-	21	30	-	3	-	-	1
Florida.....	6	1,619	1,359	-	96	114	12	2,384	-	-	-
EAST SOUTH CENTRAL.....	24	7,959	1,130	2	134	122	59	7,188	-	-	-
Kentucky.....	8	3,791	615	-	37	42	8	2,251	-	-	-
Tennessee.....	11	971	344	1	51	51	49	4,001	-	-	-
Alabama.....	3	1,792	83	1	27	21	2	836	-	-	-
Mississippi.....	2	1,405	88	-	19	8	-	100	-	-	-
WEST SOUTH CENTRAL.....	85	12,072	7,199	2	134	216	142	7,410	-	-	2
Arkansas.....	2	768	29	-	5	17	6	76	-	-	-
Louisiana.....	14	1,653	87	1	45	55	-	132	-	-	-
Oklahoma.....	2	744	433	1	7	18	1	176	-	-	-
Texas.....	67	8,907	6,650	-	77	126	135	7,026	-	-	2
MOUNTAIN.....	36	3,021	1,402	-	46	28	49	3,695	-	-	-
Montana.....	-	903	31	-	5	1	1	355	-	-	-
Idaho.....	10	258	31	-	6	5	1	113	-	-	-
Wyoming.....	-	84	10	-	2	1	-	274	-	-	-
Colorado.....	2	794	160	-	7	7	17	1,212	-	-	-
New Mexico.....	8	292	171	-	3	-	6	591	-	-	-
Arizona.....	8	366	946	-	8	12	22	1,007	-	-	-
Utah.....	8	317	32	-	12	2	2	143	-	-	-
Nevada.....	-	7	21	-	3	-	-	-	-	-	-
PACIFIC.....	176	3,980	2,343	5	396	266	116	12,243	-	-	2
Washington.....	41	930	494	1	21	37	22	5,175	-	-	1
Oregon.....	8	357	210	-	29	20	14	1,162	-	-	1
California.....	106	2,362	1,345	4	340	208	63	5,081	-	-	-
Alaska.*.....	---	51	132	---	-	-	---	75	---	---	-
Hawaii.....	21	280	162	-	6	1	17	750	-	-	-
Puerto Rico.*.....	45	396	841	1	3	4	30	816	-	-	-
Virgin Islands.....	2	11	6	-	-	1	1	38	-	-	-

\*Delayed reports: Measles: Me. 1, N.H. 1, Mo. 284, P.R. 23

Mumps: Mo. 138, Alaska 2, P.R. 38

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JULY 10, 1971 AND JULY 11, 1970 (27th WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES.....	423	35,257	1	52	7	65	9	149	20	150	68	2,302
NEW ENGLAND.....	21	1,620	1	4	-	-	-	7	-	-	1	161
Maine.....	-	246	-	-	-	-	-	-	-	-	1	153
New Hampshire.....	2	45	1	1	-	-	-	-	-	-	-	1
Vermont.....	1	92	-	-	-	-	-	-	-	-	-	7
Massachusetts.....	9	786	-	1	-	-	-	6	-	-	-	-
Rhode Island.....	1	90	-	-	-	-	-	-	-	-	-	-
Connecticut.....	8	361	-	2	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	22	2,360	-	5	-	-	-	20	4	15	-	94
New York City.....	8	443	-	5	-	-	-	7	-	1	-	-
New York, Up-State..	8	379	-	-	-	-	-	10	1	8	-	88
New Jersey.....	3	568	-	-	-	-	-	2	-	2	-	-
Pennsylvania.....	3	970	-	-	-	-	-	1	3	4	-	6
EAST NORTH CENTRAL....	79	7,652	-	5	1	4	1	17	3	14	16	237
Ohio.....	3	884	-	1	-	1	-	8	1	11	5	69
Indiana.....	17	1,891	-	1	-	-	-	2	-	-	5	55
Illinois.....	14	1,179	-	3	1	1	-	4	2	3	4	44
Michigan.....	18	2,459	-	-	-	-	1	3	-	-	1	33
Wisconsin.....	27	1,239	-	-	-	2	-	-	-	-	1	36
WEST NORTH CENTRAL....	126	2,832	-	3	-	7	-	1	-	2	18	564
Minnesota.....	1	270	-	1	-	-	-	-	-	-	7	117
Iowa.....	1	653	-	-	-	-	-	-	-	-	6	142
Missouri.....	2	1,287	-	2	-	7	-	1	-	-	-	92
North Dakota.....	1	89	-	-	-	-	-	-	-	-	3	111
South Dakota.....	-	93	-	-	-	-	-	-	-	-	-	34
Nebraska.....	1	77	-	-	-	-	-	-	-	-	1	1
Kansas.....	120	363	-	-	-	-	-	-	-	2	1	67
SOUTH ATLANTIC.....	16	2,756	-	14	-	16	1	28	7	75	10	250
Delaware.....	-	44	-	-	-	-	-	1	-	2	-	-
Maryland.....	3	114	-	1	-	3	-	3	-	14	-	-
Dist. of Columbia...	-	7	-	-	-	-	-	1	-	-	-	-
Virginia.....	1	178	-	1	-	7	-	3	1	11	1	61
West Virginia.....	5	488	-	-	-	-	-	3	-	3	4	93
North Carolina.....	-	43	-	-	-	4	-	3	6	36	-	3
South Carolina.....	3	424	-	-	-	-	-	-	-	7	-	-
Georgia.....	-	-	-	2	-	-	-	2	-	2	4	64
Florida.....	4	1,458	-	10	-	2	1	12	-	-	1	29
EAST SOUTH CENTRAL....	26	3,033	-	8	-	9	5	16	4	19	-	232
Kentucky.....	3	1,063	-	-	-	2	1	5	-	4	-	127
Tennessee.....	20	1,707	-	5	-	4	4	9	4	11	-	69
Alabama.....	3	194	-	2	-	2	-	2	-	2	-	36
Mississippi.....	-	69	-	1	-	1	-	-	-	2	-	-
WEST SOUTH CENTRAL....	42	4,314	-	6	6	26	1	18	2	18	16	516
Arkansas.....	2	325	-	1	1	6	1	4	-	-	1	58
Louisiana.....	-	278	-	-	1	4	-	6	-	-	-	19
Oklahoma, *.....	2	61	-	-	4	9	-	2	2	13	2	231
Texas.....	38	3,650	-	5	-	7	-	6	-	5	13	208
MOUNTAIN.....	12	1,795	-	2	-	3	1	7	-	7	1	37
Montana.....	1	110	-	-	-	1	-	-	-	3	-	-
Idaho.....	-	38	-	1	-	-	-	-	-	-	-	-
Wyoming.....	-	858	-	-	-	-	-	-	-	-	-	7
Colorado.....	6	253	-	-	-	-	-	-	-	2	-	11
New Mexico.....	1	200	-	-	-	-	1	5	-	-	-	6
Arizona.....	3	273	-	1	-	-	-	2	-	-	1	12
Utah.....	1	49	-	-	-	2	-	-	-	1	-	-
Nevada.....	-	14	-	-	-	-	-	-	-	1	-	1
PACIFIC.....	79	8,895	-	5	-	-	-	35	-	-	6	211
Washington.....	1	1,316	-	1	-	-	-	-	-	-	-	-
Oregon.....	8	672	-	-	-	-	-	-	-	-	1	1
California.....	69	6,740	-	4	-	-	-	34	-	-	5	176
Alaska.....	---	43	---	---	---	---	---	1	---	---	---	34
Hawaii.....	1	124	-	-	-	-	-	-	-	-	-	-
Puerto Rico, *.....	18	36	-	5	-	-	-	2	-	-	2	44
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Tularemia: Okla. delete 1  
Rabies in animals: P.R. 6

# Morbidity and Mortality Weekly Report

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Week No. **TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JULY 10, 1971**

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
<b>NEW ENGLAND:</b>	710	421	41	22	<b>SOUTH ATLANTIC:</b>	974	525	30	52
Boston, Mass.-----	212	117	11	7	Atlanta, Ga.-----	120	56	2	12
Bridgeport, Conn.-----	34	24	5	1	Baltimore, Md.-----	175	98	2	10
Cambridge, Mass.-----	24	18	7	-	Charlotte, N. C.-----	50	25	-	3
Fall River, Mass.-----	39	27	3	-	Jacksonville, Fla.-----	70	42	2	1
Hartford, Conn.-----	52	26	1	-	Miami, Fla.-----	87	38	-	3
Lowell, Mass.-----	35	15	-	2	Norfolk, Va.-----	49	23	5	1
Lynn, Mass.-----	32	20	-	1	Richmond, Va.-----	92	51	2	1
New Bedford, Mass.-----	35	23	-	-	Savannah, Ga.-----	40	23	4	3
New Haven, Conn.-----	45	25	1	2	St. Petersburg, Fla.-----	98	75	2	2
Providence, R. I.-----	51	29	4	1	Tampa, Fla.-----	58	36	6	3
Somerville, Mass.-----	16	8	3	1	Washington, D. C.-----	93	40	2	11
Springfield, Mass.-----	42	34	6	1	Wilmington, Del.-----	42	18	3	2
Waterbury, Conn.-----	22	12	-	1					
Worcester, Mass.-----	71	43	-	5	<b>EAST SOUTH CENTRAL:</b>	567	286	17	27
<b>MIDDLE ATLANTIC:</b>	3,125	1,901	116	106	Birmingham, Ala.-----	97	44	2	6
Albany, N. Y.-----	48	28	2	6	Chattanooga, Tenn.-----	41	25	2	1
Allentown, Pa.-----	50	33	3	1	Knoxville, Tenn.-----	28	16	-	-
Buffalo, N. Y.-----	134	70	3	7	Louisville, Ky.-----	118	65	9	7
Camden, N. J.-----	38	22	3	1	Memphis, Tenn.-----	136	69	1	1
Elizabeth, N. J.-----	33	20	-	-	Mobile, Ala.-----	43	26	-	5
Erie, Pa.-----	41	21	6	2	Montgomery, Ala.-----	34	12	1	3
Jersey City, N. J.-----	62	43	3	5	Nashville, Tenn.-----	70	29	2	4
Newark, N. J.-----	79	43	5	2	<b>WEST SOUTH CENTRAL:</b>	984	488	28	40
New York City, N. Y.†	1,680	1,014	59	50	Austin, Tex.-----	22	15	3	1
Paterson, N. J.-----	58	38	-	1	Baton Rouge, La.-----	16	5	1	-
Philadelphia, Pa.-----	309	181	5	12	Corpus Christi, Tex.-----	35	12	-	-
Pittsburgh, Pa.-----	184	118	8	6	Dallas, Tex.-----	159	71	2	5
Reading, Pa.-----	43	28	1	-	El Paso, Tex.-----	38	20	3	2
Rochester, N. Y.-----	126	79	13	5	Fort Worth, Tex.-----	75	36	4	1
Schenectady, N. Y.-----	16	12	-	-	Houston, Tex.-----	173	72	3	2
Scranton, Pa.-----	37	30	-	1	Little Rock, Ark.-----	38	22	2	2
Syracuse, N. Y.-----	79	45	1	5	New Orleans, La.-----	150	76	2	5
Trenton, N. J.-----	43	28	2	1	Oklahoma City, Okla.-----	69	41	-	5
Utica, N. Y.-----	31	25	1	1	San Antonio, Tex.-----	130	76	3	12
Yonkers, N. Y.-----	34	23	1	-	Shreveport, La.-----	35	15	2	2
					Tulsa, Okla.-----	44	27	3	3
<b>EAST NORTH CENTRAL:</b>	2,506	1,437	69	103	<b>MOUNTAIN:</b>	480	264	22	29
Akron, Ohio-----	64	34	-	2	Albuquerque, N. Mex.-----	39	25	7	1
Canton, Ohio-----	35	24	1	1	Colorado Springs, Colo.-----	31	18	4	3
Chicago, Ill.-----	729	393	15	37	Denver, Colo.-----	127	71	3	8
Cincinnati, Ohio-----	126	71	2	6	Ogden, Utah-----	45	25	2	3
Cleveland, Ohio-----	173	90	2	2	Phoenix, Ariz.-----	107	55	3	3
Columbus, Ohio-----	135	76	6	8	Pueblo, Colo.-----	19	11	3	-
Dayton, Ohio-----	71	40	3	3	Salt Lake City, Utah-----	64	29	2	7
Detroit, Mich.-----	364	201	11	9	Tucson, Ariz.-----	48	30	1	4
Evansville, Ind.-----	40	24	3	3	<b>PACIFIC:</b>	1,365	821	25	39
Flint, Mich.-----	75	37	2	6	Berkeley, Calif.-----	16	9	-	-
Fort Wayne, Ind.-----	46	30	1	3	Fresno, Calif.-----	37	21	1	1
Gary, Ind.-----	29	17	1	2	Glendale, Calif.-----	30	19	-	-
Grand Rapids, Mich.-----	69	51	5	3	Honolulu, Hawaii-----	44	25	-	2
Indianapolis, Ind.-----	133	76	3	7	Long Beach, Calif.-----	108	71	3	-
Madison, Wis.-----	28	12	3	3	Los Angeles, Calif.-----	433	240	11	21
Milwaukee, Wis.-----	119	88	2	-	Oakland, Calif.-----	73	45	1	2
Peoria, Ill.-----	41	24	1	3	Pasadena, Calif.-----	32	24	-	-
Rockford, Ill.-----	41	26	4	1	Portland, Oreg.-----	88	55	-	3
South Bend, Ind.-----	27	19	1	1	Sacramento, Calif.-----	52	32	-	-
Toledo, Ohio-----	111	72	3	3	San Diego, Calif.-----	87	49	-	2
Youngstown, Ohio-----	50	32	-	-	San Francisco, Calif.-----	134	82	2	1
					San Jose, Calif.-----	41	29	2	-
<b>WEST NORTH CENTRAL:</b>	676	410	21	21	Seattle, Wash.-----	128	81	3	2
Des Moines, Iowa-----	26	16	2	-	Spokane, Wash.-----	31	20	1	4
Duluth, Minn.-----	24	17	-	-	Tacoma, Wash.-----	31	19	1	1
Kansas City, Kans.-----	30	13	4	1					
Kansas City, Mo.-----	124	68	1	4	<b>Total</b>	<b>11,387</b>	<b>6,553</b>	<b>369</b>	<b>439</b>
Lincoln, Nebr.-----	31	23	1	-	<b>Expected Number</b>	<b>12,414</b>	<b>7,043</b>	<b>398</b>	<b>531</b>
Minneapolis, Minn.-----	69	44	2	3	<b>Cumulative Total</b> (includes reported corrections for previous weeks)	<b>355,430</b>	<b>205,390</b>	<b>13,802</b>	<b>15,845</b>
Omaha, Nebr.-----	68	46	-	3					
St. Louis, Mo.-----	206	121	6	4					
St. Paul, Minn.-----	52	35	-	3					
Wichita, Kans.-----	46	27	5	3					
Las Vegas, Nev.*	27	8	-	1	*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.				

†Delayed Report for week ended July 3, 1971

## EPIDEMIOLOGIC NOTES AND REPORTS

## PRAIRIE DOG PLAGUE - Colorado

On June 29, 1971, prairie dogs were placed under surveillance in the Elk Creek campground on Blue Mesa Lake in Curecanti Recreation Area in south central Colorado. Fifteen dead prairie dogs were subsequently collected. Tissue specimens from the animals were tested by the fluorescent antibody technique, and nine were found to be presumptively positive for *Yersinia pestis*.

This campground, located near Montrose and Gunnison, Colorado, is a fishing resort with 180 camp sites. Since July 1, at least 5,000 persons have visited this resort. Due to the possibility of plague transmission from the rodent population to humans, the National Park Service has closed the campground temporarily until appropriate control is effected. Plans to initiate immediate control of disease vectors in rodent populations are being carried out.

(Reported by C.S. Mollohan, M.D., Chief, Office of Epidemiology, Colorado State Department of Public Health; the Midwest Region of the National Park Service, Omaha, Nebraska; and the Zoonoses Section, Ecological Investigations Program, CDC, Fort Collins, Colorado.)

## Erratum, Vol. 20, No. 22, p. 200

In the article "Lead Poisoning - Oregon," correct the next to the last sentence in the second paragraph to read "The three samples of wine collected, however, contained lead levels of 3.0 mg percent, 3.3 mg percent, and 4.2 mg percent, respectively."

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Director, Center for Disease Control  
Director, Epidemiology Program, CDC  
Editor, MMWR

David J. Sencer, M.D.  
Philip S. Brachman, M.D.  
Michael B. Gregg, M.D.

The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks or case investigations of current interest to health officials.

Address all correspondence to

Center for Disease Control  
Attn: Editor  
Morbidity and Mortality Weekly Report  
Atlanta, Georgia 30333

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
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